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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/648,606

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Richard Harvey

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07/26/2006

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EXAMINER

LEWIS, ALICIA M

ART UNIT

PAPER NUMBER

2164

DATE MAILED: 07/26/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/648,606

Applicant(s)

HARVEY ET AL.

Examiner

Alicia M. Lewis

Art Unit

2164

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 May 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


SAM RIMELL
PRIMARY EXAMINER

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This office action is responsive to communication filed May 31, 2006. Claim 3 has been amended, and all other claims remain in original form. Therefore, claims 1-7 are pending in this application.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Gadbois et al. (US Patent Application Publication 2004/0002955 A1) ('Gadbois').

With respect to claim 1, Gadbois teaches a web services directory comprising:
at least one business entity object (elements 232, 242, 252 in Figure 2, paragraphs 28-29); and
at least one user object, wherein the at least one business entity object is arranged under the at least one user object (elements 222 and 224 in Figure 2, paragraphs 27 and 28).

With respect to claim 2, Gadbois teaches the web services directory as recited in claim 1, further comprising:

at least one business service object (element 243 in Figure 2, paragraph 28); and
at least one binding template object (element 245 in Figure 2, paragraph 28),
wherein the at least one business service object is arranged under the at least one business entity object, and the at least one binding template object is arranged under the at least one business service object (Figure 2).

With respect to claim 3, Gadbois teaches the web services directory as recited in claim 1, wherein the at least one business entity object is arranged under the at least one user object by virtue of at least one corresponding user child object (elements 222, 232, 242 and 252 in Figure 2, paragraphs 26-28).

With respect to claim 4, Gadbois teaches the web services directory as recited in claim 1, further comprising at least one domain object, wherein the at least one user object is arranged under the at least one domain object (elements 150 and 170 in Figure 1, paragraph 24, paragraph 26, paragraph 27 lines 1-4).

With respect to claim 5, Gadbois teaches the web services directory as recited in claim 1, further comprising apparatus adapted to implement the web services directory, and in which directory services are invoked (paragraphs 21-25).

With respect to claim 6, Gadbois teaches the web services directory as recited in claim 5, wherein the directory services are invoked using at least one of X.500 and LDAP protocols (paragraph 24 lines 8-12, paragraph 26 lines 10-11).

With respect to claim 7, Gadbois teaches the web services system comprising:
a registry (paragraph 5 lines 19-25) in which businesses may register, the registry comprising a hierarchical directory including at least one business entity object (element 232 in Figure 2) and at least one user object (element 222 in Figure 2), the at least one business entity object being arranged under the at least one user object (Figure 2, paragraphs 25-28); and

a storage system for storing business information and accessible via the hierarchical directory (paragraphs 23 and 26).

Response to Arguments

3. Applicant's arguments filed May 31, 2006 have been fully considered but they are not persuasive. Applicant argues that there is no suggestion in Gadbois that host 210 is a user object. However, examiner disagrees. Applicant's specification states that a user object stores all information relating to a user in a single object, which can be used as the root of the sub-tree holding all of the objects that the user publishes. For example, if the object under consideration (business, service, or TModel) is underneath the user's object, then the user controls it (page 22). Gadbois discloses that a directory server stores information for access by a user, and that such information can be stored

in a tree-like structure, such as a directory information tree (DIT). Gadbois further teaches that the tree is populated by nodes, which are defined by object classes, and that a root node is maintained by the host system and is represented by host node 210. Each directory server may maintain more than one DIT, and therefore more than one "host" node (paragraphs 26-27). Although Gadbois does not explicitly call host node 210 a user object, it acts as a user object.

4. Examiner would also like to provide another interpretation of Gadbois. According to paragraph 27, organizational nodes 222 and 224 each act as root nodes for an organizational sub-tree. The organizations may be any type of entity, including governmental, institutional, academic and personal. Each organizational node is coupled to a number of interior sub-nodes, which contain further information, or links to further information, regarding the respective organization. Therefore, organizational nodes 222 and 224 may represent user objects and groups node 232, business services node 242 and publisher assertions node 252 may represent business entities under the user object, organization1 node 222.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M. Lewis whose telephone number is 571-272-5599. The examiner can normally be reached on Monday - Friday, 9 - 6:30, alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Rones can be reached on 571-272-4085. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Alicia Lewis
July 17, 2006


SAM RIMELL
PRIMARY EXAMINER